BRUHATH BENGALURU MAHANAGARA PALIKE

E-Measurement Book

Name of Work: Maintanance & Repairs of Footpath and Roads in ward No 14, Bagalagunte.

Est.cost:Rs.20Lakhs

Name of work ; Maintanance & Repairs of Footpath and Roads in ward No 14, Bagalagunte

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
	Pre measurement recorded on:						
1	Earthwork in surface excavation in ordinary soil for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled after breaking of clods and neatly dressed as per specifications.						
	For CC Drain						
	Pepsi godown Road 1 st Cross						
	RHS	1	30.00	0.90	0.75	20.25	
		1	30.00	0.90	0.75	20.25	
		1	26.00	0.90	0.75	17.55	
	Manjunatha nagara Main Road			0.90	0.75		
	LHS	1	30.00	0.90	0.75	20.25	
		1	28.00	0.90	0.75	18.90	
	House gap						
		1	7.20	0.90	0.75	4.86	
	RHS	1	30.00	0.90	0.75	20.25	
		1	30.00	0.90	0.75	20.25	
		1	3.00	0.90	0.75	2.03	
			214.20	Total Quantity		144.59	**Cum**
				Payable Quantity		**123.20**	**Cum**

01/03/22 to 03/04/22

Assistant Engineer
Ward NO-14
BBMP Bangalore

Assistant Executive Engineer
Dasarahalli Sub division
BBMP Bangalore

Name of work ; Maintanance & Repairs of Footpath and Roads in ward No 14, Bagalagunte

Pre measurement recorded on:

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
2	Providing and laying in position plain cement concrete of mix1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85 cum and fine aggregtes @ 0.57 cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms, thick well compacted, in foundation and plinth including cost of all materials, labour, HOM of machinery, curing complete as per specifications						
	For CC Drain						
	Pepsi godown Road 1 st Cross						
	RHS	1	30.00	0.90	0.15	4.05	
		1	30.00	0.90	0.15	4.05	
		1	26.00	0.90	0.15	3.51	
	Manjunatha nagara Main Road						
	LHS	1	30.00	0.90	0.15	4.05	
		1	28.00	0.90	0.15	3.78	
	House gap						
		1	7.20	0.90	0.15	0.97	
	RHS	1	30.00	0.90	0.15	4.05	
		1	30.00	0.90	0.15	4.05	
		1	3.00	0.90	0.15	0.41	
				Total Quantity		24.87	**Cum**
				Payable Quantity		**18.48**	**Cum**

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BBMP Bangalore

Assistant Executive Engineer
Dasara halli Sub division
BBMP Bangalore

Name of work ; Maintanance & Repairs of Footpath and Roads in ward No 14, Bagalagunte

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
	Pre measurement recorded on:						
3	Providing and removing centering, shuttering, strutting, propping etc., for edges of slabs and breaks in floor including cost of all materials, labour complete as per specifications.						
	For Side wall						
	Pepsi godown Road						
	For CC Drain						
		2	30.00		0.60	36.00	
		2	30.00		0.60	36.00	
		2	26.00		0.60	31.20	
	Manjunatha nagara Main Road						
	LHS	2	30.00		0.60	36.00	
		2	28.00		0.65	36.40	
	House gap						
		2	7.20		0.90	12.96	
	RHS	2	30.00		0.60	36.00	
		2	30.00		0.90	54.00	
		2	3.00		0.90	5.40	
	268.80			Total Quantity		283.96	**Sqm**
				Payable Quantity		**268.80**	**Sqm**

05/07/22 to 09/07/22

Assistant Engineer
Ward NO-14
BBMP Bangalore

Asst. Executive Engineer,
Dasara halli Sub division
BBMP Bangalore

Name of work ; Maintanance & Repairs of Footpath and Roads in ward No 14, Bagalagunte

Pre measurement recorded on:

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
4	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of Design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.460 cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6						
	For CC Drain						
	Pepsi godown Road 1 st Cross RHS						
	For Raft	1	30.00	0.90	0.15	4.05	
		1	30.00	0.90	0.15	4.05	
		1	26.00	0.90	0.15	3.51	
	Manjunatha nagara Main Road						
	LHS	1	30.00	0.90	0.15	4.05	
		1	28.00	0.90	0.15	3.78	
	House gap						
		1	7.20	0.90	0.15	0.97	
	RHS	1	30.00	0.90	0.15	4.05	
		1	30.00	0.90	0.15	4.05	
		1	3.00	0.90	0.15	0.41	
	For Side wall						
	Pepsi godown Road 1 st Cross						
		2	30.00	0.15	0.60	5.40	
		2	30.00	0.15	0.62	5.58	
		2	26.00	0.15	0.90	7.02	
	Manjunatha nagara Main Road						
	LHS	2	30.00	0.15	0.60	5.40	
		2	28.00	0.15	0.65	5.46	
	House gap						
		2	7.20	0.15	0.90	1.94	
	RHS	2	30.00	0.15	0.90	8.10	
		2	30.00	0.15	0.90	8.10	
		2	3.00	0.15	0.90	0.81	
	Ramps	2	5.50	0.30	0.15	0.50	
				Total Quantity		77.23	Cum
	77.28			Payable Quantity		**77.23**	Cum

EXECUTIVE ENGINEER
Brihat Bangalore Mahanagara Palike
Dasarahalli Division, Bangalore - 560 057

Assistant Engineer
Ward NO-14
BBMP Bangalore

Asst. Executive Engineer,
Dasara halli sub division
BBMP Bangalore

BHURAT BENGALURU MAHANAGAR PALIKE

DASARAHALLI DIVISION

Name of work ; Maintanance & Repairs of Footpath and Roads in ward No 14, Bagalagunte

Pre-Measurement Sheet

Premeasurement Recorded on;

First and Fnal

5 Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications

Sl no	Dia of Bar in mm	Side	Spacing of Bar	Nos	Length of Bar in mtr	Total Length of Bar in mtr	Type of Bar	Standard Weight per Meter in kgs	Weight of Steel in kgs	Unit
For Drain										
Pepsi godown Road										
1	10	1	150mm/CC	9	86.00	774.0	Distributi	0.62	480	
2	12	1	150mm C/c	710	2.2	1562.0	Main Bar	0.89	1390	
Manjunathanagara Main Road LHS										
1	10	1	150mm/CC	9	65.00	585.0	Distributi	0.62	363	
2	12	1	150mm C/c	530	2.20	1166.0	Main Bar	0.89	1038	
Manjunathanagara Main Road RHS										
1	10	1	150mm/CC	9	63.00	567.0	Distributi	0.62	352	
2	12	1	150mm C/c	512	2.20	1126.4	Main Bar	0.89	1002	
							Total Quantity of Steel in Kg's		4624.5	Kgs
							Total Quantity of Steel in Tonne's		4.62	Tonnes

05/07/22

Asst Engineer
Ward No;14

Assistant Executive Engineer
Dasarahalli Sub Division

Name of work ; Maintanance & Repairs of Footpath and Roads in ward No 14, Bagalagunte

Item No	Pre measurement recorded on: / Discription of Item	No	Length	Breadth	Depth	Qty	Unit
6	**Providing and and fixing Precast Concrete slab 10 CM thick witth all lead and lift as per specification**						
	Pepsi godown Road						
	For CC Drain						
		1	30.00	0.90		27.00	
		1	30.00	0.90		27.00	
		1	26.00	0.90		23.40	
	Manjunatha nagara Main Road						
	LHS	1	30.00	0.90		27.00	
		1	28.00	0.90		25.20	
		1	7.20	0.90		6.48	
		1	30.00	0.90		27.00	
		1	30.00	0.90		27.00	
		1	3.00	0.90		2.70	
	Missing slabs	16	0.60	0.90		8.64	
				Total Quantity		201.42	
				Payable Quantity		**201.42**	Sqm

EXECUTIVE ENGINEER
Bruhat Bangalore Mahanagara Palike
Dasarahalli Division, Bangalore - 560 057

28/07/17

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29/07/17

Assistant Engineer
Ward NO-14
BBMP Bangalore

28/07/17

Asst. Executive Engineer
Dasara halli Sub division
BBMP Bangalore

Name of work ; Maintanance & Repairs of Footpath and Roads in ward No 14, Bagalagunte

	Pre measurement recorded on:						
tem No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
7	Transportation &disposing of the excavated earth obtained from side drains and high burms on either side of the road						
	Pepsi godown & Manjunatha nagara Main Road						
	Quantity Vide item No 1				Total Qty	123.20	Cum
					Payable Qty	**123.20**	Cum

29/07/22

Assistant Engineer
Ward NO-14
BBMP Bangalore

Asst. Executive Engineer,
Dasara halli Sub division
BBMP Bangalore